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ENGINEERS TO THE FRONT
by Dean Frederick M. Feikor

Engineers about to graduate, as well as engineers in training in this year of 1943, have one sure advantage over all previous classes - the world not only needs them, it's begging for them. There are ten jobs for every man who can qualify for industry or the armed services.

This means of course that the words "mechanized warfare" are more than a phrase - they are a reality and those of us that work in the field of engineering have taken and will take an increasing part in the winning of the war. We have not only to engineer the design and to manufacture the equipment, but to transport it. We have to improve processes for the

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ENGINEERS' BALL

On February 20th the Engineers' will let down their hair and throw away their slide rules for the evening and find out how the other half of the school lives. You probably know what we are talking about, but in case you don't, it is the Annual Engineers' Ball. The Shoreham Hotel will open its portals to the Engineers, and the rest of the University, in their newest and largest ball room, and Mel Mitchell and his music will provide an excuse to grab your gal tightly in public.

This is the regular ball given by the Engineers' Council every year, and it is principally for Engineers, though there are always many other students from the rest of the school there. The charge is \$2.50, including tax, per couple or a CoOp Fock is good for admission too. Put this date down. FMH

A.S.M.E. CONVENTION
New York City

The American Society of Mechanical Engineers held its annual convention at the Hotel Astor from November 30 to December 5. The meeting was not only a great success as to membership but also the program and the general conduct made it one of the best in the history of the Society.

With pride we can report that your University was well represented. Hurrying from meeting to meeting and taking an active part in the luncheons and dinners was seen your Dean Feikor, followed by the chairman of your local chapter, Robert McCullough and vice-chairman Raphael Cahn. No less active were Lou Berkley and Dirk Brady trying to keep up with the program which started at nine A.M.

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SCHEDULE

Jan.	6	Wed.	Societies
			Sigma Tau (short)
Jan.	13	Wed.	Engineers' Council
			Theta Tau (short)
Jun.	20	Wed.	Sigma Tau (long)
Jun.	27	Wed.	Theta Tau (long)
Feb.	3	Wed.	Societies
			Sigma Tau (short)
Feb.	10	Wed.	Engineers' Council
			Theta Tau (short)
Feb.	17	Wed.	Sigma Tau (long)

FEB. 20 SAT. ENGINEERS' BALL

Society meetings and Council meetings start at 8:30 P.M.

Short meetings of Fraternities start at 8:00 P.M. and end at 8:25 P.M.
Long meetings start at 8:00 P.M.

There's a mixer coming up soon.

THE MECHELECV STAFF

Editor	Lou Berkley
Associate Editor	Fred Holcomb
News Editor	Dirk Brady
Column Coordinator	Raphael Cahn
Printer	Harold Thomasson
Columnists:	
M.E. and You	Boyd Horne
Short Circuits	Dominic Toffolo
Am.Soc.C.C.	Bill Randall
Theta Tau	George Pida
Sigma Tau	Mort Rabineau

CUR ENGINEERS' COUNCIL

Bad news is coming our way this edition in that Jimmy Pastorini and Bob McCullough are leaving (Bob left last Saturday) the Council and the school. They, with the others, are to be congratulated on graduating, but they leave the Engineers' Council with two big vacancies. This news brings to the fore the work that the Council has been doing this year, and has yet to do, and we want to take this opportunity to express the gratitude of the school for what they have done and are going to do.

Last July this council met for the first time and since then has done much. The first summer mixer held in the Engineering School, the regular Fall Mixer, the foundation of the Mechelecv, a real Engineers' Lounge are the accomplishments in the msf, and the regular winter mixer, the Engineers' Ball at the Shoreham Hotel, the Annual Engineers' Banquet are jobs that are still to be finished. All this has been done in six months by eleven men who were also carrying on their studies, their work, and their other activities around the school.

We Engineers have a right to proud of our council.

ME!

Are you readers still alive? You don't seem to be kicking much? How about a squeal from someone?

ENGINEERS AND PEOPLE

Professor Benjamin C. Cruickshanks ... native of Richmond and still Virginian at heart ... spent early years at Newburgh N.Y., Staten Island, N.Y., and Alexandria, Va. before landing in Washington ... attended C.U. part time while working at Bureau of Standards, receiving B.S. in M.E. in 1920 ... began teaching here upon graduation ... went to Hartford Conn. ... edited the Locomotive of the Hartford Steam and Boiler I. and I. Co. ... missed teaching however ... returned to C.U. in 1927 ... now Acting head of M.E. Dept. ... favorite indoor sport - bottle pool (you'll find him on the third floor of the Faculty Club every day after lunch) ... outdoor sports - baseball, hiking, golf ... strongly believes Republicans will knock Roosevelt out of office sooner or later ... also that nobody will ever build a car to compare with a Ford.
(Not even an F.W. Man? Ed. note.)

F.C.C., Jr.

Robert William McCullough, Junior ... better known as Bob ... now a graduate engineer ... gone to Akron, Ohio to stretch the rubber supply ... former president of the A.I.E.E. and secretary of Engineers' Council ... now it can't be told that "Bob" is the boy who wintered "Engineer Fall" on the tin tabernacle roof two years ago to the consternation of University authorities ... real jitters-up and wine, women, and song engineer ... That's true, I am the number one ... Former M.E.C.C. ring none champion ... no do more nei a football comes then three cheerleaders ... used to travel to Philadelphia regularly but not more friendly with me fibs across the street ... had regular brain storms that always ended in fun ... there isn't no one like him. ... I.M. Don't forget us "Bob".

RECOMMENDED READING

Modern Architecture Show, "cover" r, 1942
"It can happen here - if Hitler and Hirohito in!"

L.B.

A.I.E. and YOU and A.M.S.O.C.E.

The A.S.M.E. was fortunate in having at its last meeting on December 2, Mr. Watson Davis of the National Inventors' Council. Mr. Davis gave a very informative informal talk on the functions of his organization and science in the war effort. A great deal of interest was aroused on the subject of inventions most needed at this time in winning the war, and Mr. Davis was kept busy answering questions for some time.

Sad to say (and we get back to our favorite subject), the attendance was pathetic; This has ceased to be a joking matter. It is indescribably disheartening to a man as busy as Mr. Davis to give his time toward educating us and be met by a handful of engineers, most of whom needed education less than those who weren't present. If the C. E.'s were not our guests, we would have had hardly enough to form a football team!

What's wrong? Certainly every M. E. who's not completely asleep knew that there was to be a meeting. By this time you should surely know that you're welcome whether you're a member of the society or not. The excuse of being too busy will hardly hold water when others just as busy as you were able to be present. As a professional engineer you will be expected by the public and by other engineers to attend regularly lectures by well-known men in your field so that you can keep abreast of the progress of your profession. Is not this as good a time as any to start? The lack of a feeling of responsibility at this time especially bodes ill for the world that the engineers of tomorrow must form.

At our next meeting we'll have to take up a lot of important business concerning electing of new

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SHORT CIRCUITS

Greetings:

A new year turns and A.I.E.E. carries on. Before plunging into the last hectic month of studying report writing and cramming for finals, let's take a brief time out to recollect some of the outstanding events of the past year. From the social end the picnic at Professor Akers home stands out so much so, that another one is in order. Nothing more has been advanced and we should be thinking of plans for one. George Kalv, former illustrious A.I.E.E. delegate to the Engineers Council; and George Pida, former chairman of the A.I.E.E. and collaborator with Ned Schreiner on "Slide Rule Slants", staff member of the Mechelciv; and Micky Shulte, erstwhile big little noise, all succumbed to Dan Cupid and departed from the ranks of us bachelors. Merrill Brown, at present one of the A.I.E.E. delegates to the Engineers Council, became the proud papa of a son.

From the technical end, we had several student talks among which was Frank Hormach's illuminating discussion of what happens when the human body is used as a conductor. A most interesting lecture was given by Mr. Ritchie of the Micro Switch Corporation out of which came the astounding disclosure that Lenz's law is not infallible, and that a satisfactory explanation of why it did not hold at high altitudes has not been found. No doubt some of our more gifted members will forward the explanation to Mr. Ritchie.

Getting down to this year's programs and particularly the next meeting on Jan. 6, we shall hear a student talk prepared by Mr. Lou Berkley, editor of the Mechelciv. Mr. Berkley works in the

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THETA TAU

The Christmas Season and the New Year's Celebrations put a dent in the news machine and consequently the copy is not as voluminous as usual. However, Brother Kaly did more than to make up for the dearth of news when he took unto himself a bride. Most of you were there and now the story, but for the benefit of those who weren't, here it is.

Shortly after 8:00 P.M. on the 22nd of December, (just before Christmas), at the New York Avenue Presbyterian Church, Brother Kaly said quote "I do" unquote. He also could he say "She had him. The worst of it is he was happy about it. Poor(?) sap, eh?

Brother Dodick was best man. He was assisted by Brothers Brown, Gonan, and Machon. Everything went off in grand style and scheduled order and everybody was happy when it was all over, except Brother Toffolo, who noted the absence of punch in the punch that was served among the other dirty delicacies at the reception which was held at the Thomas Circle Club.

The bride, Mrs. George Kaly, formerly Miss Frances Douglas, was more beautiful than the usual beautiful bride. She wore a gown of an ivory shade which was not only becoming but a real knockout.

The bride and groom left the reception rather early in the evening, but who could blame them. You or I would do the same. Ho? Congratulations, Brother Kaly, a lots of happiness to you and Frances.

The Alumni's traditional Christmas party was cancelled this year as a result of conditions brought on by the war effort. We missed it very much. However, Brothers Dodick and Pastoriza gave a party on Friday, December 18th, which helped to take the keen edge off our bewailment.

Theta Tau hopes you all had a very jerry Christmas and wishes you happiness in the New Year.

The world is divided into people who do things and people who get the credit. Try, if you can, to belong to the first class. There's far less competition.

Dwight Morrow

SIGMA TAU"Colleges at Work"

A short subject entitled "Colleges at work" is currently being shown at first run theaters. It depicts the part being played by the colleges in preparing young America for the war effort. Engineering students are seen working in shop and lab in undergraduate courses and doing research work in government directed projects. The reserve officer training units, defense training courses physical fitness programs, and groups of officers taking specialized work in serious colleges are also shown.

Although not having the facilities and campus to warrant inclusion in the picture alongside of the universities shown, George Washington is likewise a "College at War".

The young Engineer student will find that by applying himself to the basic Engineering courses offered here he will have a firm foundation for either service in the armed forces or war work in industry. In addition, the various Engineering Societies are featuring speakers at their meetings who are doing vital war work and can give you students a clear picture of what to expect on leaving school. Qualified students, usually those now employed by the government, can supplement their basic courses by taking one of the specialized courses under the Defense Training Program.

By keeping his foot on the ground, utilizing every valuable minute while here at school, applying himself to his basic work, and taking advantage of the various Society meetings, the George Washington University graduate will find himself equipped to meet every test thrown at him by the world at war, or at peace.

We must forget the torn "man-hours" for the duration of the war and think in terms of "man-minutes," for a minute saved is a man saved. What we did in an hour we must now do in a minute.

SCHOOL DAZE

"I can't marry you," said the Justice of the Peace. "If this girl is only seventeen, you'll have to get her father's consent." "Consent," yelled the groom-to-be, "Say, what do you think this old boy with the rifle is—Daniel Boone?"

One difference between the modern girls and the 1900 models is that the latter blushed to a risque story, while today the memory is it.

"We like the story of the nervous husband at the maternity hospital. He said to his wife before registering, "Darling, are you sure you want to go through with this?"

A frank who had ~~boarded~~ of a double deck bus and stumbled up to the top deck, came rolling down the stairs a minute later with the observation, "I ain't going to ride up there. There's nobody drivin'."

had criticized the sermon. Mother thought the organist made a lot of mistakes. Sister didn't like the choir's singing. But they all shut up when little Billy chirped in with the remark "I think it was a darn good show for a nickel."

Him: "Didn't the kiss I just gave you make you long for another?"
Her: "Yes, but he is away on a business trip and won't be home until next week."

God gave man two ends. One to think with
and one to act on. The one is determined
by which end he uses most. Warns you
when trials you lose.

Only two classes of people fell for flattery - male and female.

Sales Manager: "You give me a pain in the neck."

lesson: "Thanks for moving me up."

This space is dedicated to Billie
Billie Space.

MEMPHIS HOT 101 WIGGLES DOWN

Verily, though his dimsel expecteth chocolates when he calleth, she openeth the package to discover samples of iron ores.

Yes, he holds her hand but to measure the friction thereof; and kisseth her only to test the viscosity of her lips, for in his eyes there shineth a far away look that is neither love nor a longing look---rather a vain attempt to recall for malice.

Even as a boy he pulleth a girl's hair
but to test its elasticity;
But as a man he deviseth different de-
vices.

For he counteth the vibrations of her
heartstrings
and seeketh ever to probe his scientific
investigations.

Even his own heart flutterings he counts as a measure of fluctuation, and encloses both his passion as a formula. And his marriage is a simultaneous equation involving two unknowns and yielding divorce results.

Verily I say unto ye, marry not an incur.

---Shirkeloose

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pipe is like a woman. You treat it nice and for a while it responds and it can be kind and sweet; and then, without any warning at all, it backs-fires-- and before you know it, you're looking for a new one.

Leon Borckeloy

middle age is that period in a man's life when he'd rather not have a good time than have to get over it.

A recent postcard from a truthful vacationist: "Having a wonderful time; wish I could afford it."

WE and YOU and AM. SOC. CE.

officers, disposition of funds in the treasury, etc., etc by all ~~the~~ means be there. Bob McCullough, our new president, has resigned as he is going to work in Ohio in a day or two in a spirited effort to completely double our war production. Rafe Cahn has become temporary president and is doing a whale of a job doing nothing right now.

SHORT CIRCUITS

Production Office at the Washington Navy Yard and in connection with his work he comes across various applications of electrical apparatus for industrial purposes. The subject of his talk is "Motorization of Machine Tools".

Since we have only a limited number of meetings to schedule student talks, we suggest that you get in touch with Ed Shytle immediately if you intend to give a talk in order that confusion and disappointment be avoided. Remember, however, that in order to be eligible for one of the awards, written copies of the talks must be submitted in triplicate.

ENGINEERS TO THE FRONT

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to action of materials and to provide substitutes. We have to furnish power, buildings, and communications for war and industrial purposes, and we take our place managing the teamwork of men, materials and machinery that constitute the fabric of our war and industrial organizations.

All this and more gives the engineer a position of importance second to no other profession today. Yet it carries great responsibility. We used to be responsible for the convenience and the utility of good living. Now we are in a large part responsible for life itself.

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A.S.M.E. CONVENTION (cont.)

The technical program was so numerous (about fifty lectures) that we will not attempt to give a detailed account. Outstanding, however, was a session on Ingenuity led by Mr. Igor I. Sikorsky in which was shown a movie on his amazing helicopter which he promises to be a revolutionary means of transportation after the war. Throughout the convention, the importance of management in Engineering are stressed, highlighted by an address by Hon. Paul V. McNutt in which he pointed out the increasing importance of women in industry who will, eventually take over 25% of the duties now performed by men.

Looking back we can not but admire the work our American Engineers are doing in the war effort. Their motto might be "More and better work to beat the Axis and to reconstruct the world after the world." D.B.

ENGINEERS TO THE FRONT

-(cont. from next column)

"War is a tough business. This war, particularly, is not a glamorous adventure for most of the young men who are fighting it. But it is a necessary business. Many of our graduates are taking important places in its successful conclusion. Some day we can tell proudly of their actual accomplishments.

"A continuing reserve of technically-trained men is all important in the Nation's man-power needs."

says chairman McNutt of the War Manpower Commission, when preparing the orders for the deferment of engineers in training. The war has brought a recognition of the need for engineers in a period of world destruction. Engineers we hope for the day when a war in a world will turn to us to reconstruct the territorial gains of civilization which we are now tearing down.